

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
24 March 2005 (24.03.2005)

PCT

(10) International Publication Number
WO 2005/026323 A2

(51) International Patent Classification⁷: C12N

(21) International Application Number:
PCT/US2004/028657

(22) International Filing Date:
1 September 2004 (01.09.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/500,624 5 September 2003 (05.09.2003) US

(71) Applicant (for all designated States except US): **MERCK & CO., INC.** [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ANTIA, Firoz, D.** [IN/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US). **BOYD, Russell** [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US). **DASILVA, Jimmy, O.** [US/US]; 126 East Lincoln Avenue, Rahway,

NJ 07065-0907 (US). **GOKLEN, Kent, E.** [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US). **NTI-GYABAAH, Joseph** [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US). **WELCH, Christopher, J.** [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US).

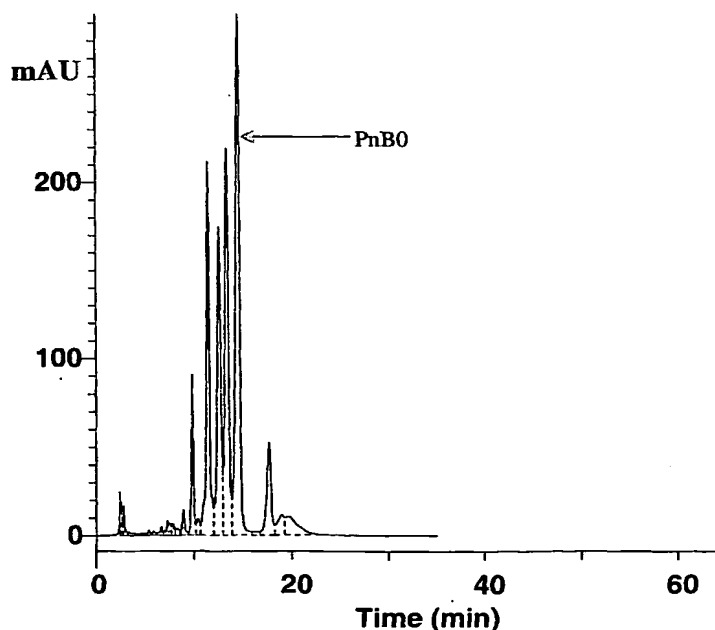
(74) Common Representative: **MERCK & CO., INC.**; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: STATIONARY PHASES AND A PURIFICATION PROCESS USING THE STATIONARY PHASES



(57) Abstract: This invention relates to a novel stationary phase of Formula I and a method for purifying a peptide or lipopeptide in liquid chromatography using select stationary phases, including the stationary phases of Formula I to improve the resolution and/or productivity of the purification. This chromatographic method can be used for either an analytical or preparative scale purification.



FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *without international search report and to be republished upon receipt of that report*